

Green Beyond the turf



Brought to you by the Division of Compliance Assistance

Key Definitions

Environmental Stewardship: The careful and responsible management of your environmental responsibilities and impact.

Green: Synonymous with being environmentally friendly.

Sustainability: Balancing the economic, social and environmental impacts of your operations.

Division of Compliance Assistance (DCA): A branch of the Department for Environmental Protection involved with helping businesses and industries make more sustainable choices. There are several programs nested within DCA that can be of aid when “greening” your racetrack:



KY EXCEL: KY EXCEL is a free program that offers a home and community for Kentucky’s environmental stewards and the development of environmental leaders statewide.



Environmental Compliance Assistance Program (ECAP): ECAP offers nonregulatory, cost-free solutions for entities regulated by the Department for Environmental Protection who may be struggling with compliance obligations.



10•10•10 Challenge: A challenge issued to all Kentuckians asking citizens to conserve water and energy, as well as reduce waste, each by 10 percent over the next three years.

Contact Us

Livinggreener@ky.gov
1-800-926-8111, ext. 246
Facebook: Living Greener Growing Stronger
Twitter: livinggreenerKY



Environmental Steward:

The Division of Compliance Assistance is partnering across the Commonwealth to promote sustainability throughout Kentucky. Our Living Greener Growing Stronger campaign is helping Kentucky’s private and corporate citizens as they engage in environmentally sustainable activities and live a greener lifestyle. By offering materials and providing assistance to businesses, individuals and organizations, the Division of Compliance Assistance hopes to encourage positive environmental choices that will make Kentucky healthier and stronger.

In the following pages, you will find many helpful ideas that will aid in greening your racetrack. We recognize that in challenging economic times, it is easy to be hesitant to implement new ideas for fear they will adversely affect the bottom line. However, we encourage you to look through the tips in this document closely. Many of these ideas will reduce your operating costs, save you money and can also increase your business. We want Kentucky’s racing industry to succeed, and we are confident that this document can make a difference at your racetrack.

If you have questions or need help as you take these ideas and apply them at your track, please do not hesitate to contact us. The division would also be excited to learn of the successes you realize as a result of using this document. Let’s work together to ensure that Kentucky’s racetracks are as respected for our environmental commitment as for our racing legacy. You can call the division toll-free at 1-800-926-8111 or send an email to envhelp@ky.gov for additional help.

Sincerely,

A handwritten signature in black ink, appearing to read "A. Keatley".

Aaron Keatley
Director
Division of Compliance Assistance



GET ORGANIZED!

So, you've decided to try to green your racetrack. Congratulations on taking the first step! The most important step in "greening" is making the commitment. Once you have committed to the process, there are a few key steps that you need to complete before jumping on the "green" movement.

First, make sure you have upper-level management support!

Second, form a Green Team. Include representatives from management, custodial, maintenance, purchasing, marketing and public relations, accounting and food service.

Team Member Name	Responsibility

Third, write your environmental commitment in a policy statement and make it known to all employees and customers. Market your green efforts. Use your environmental policy statement on all publications and media releases.

Policy Statement:

Example Policy Statement: ABC Racetrack is committed to sound environmental stewardship practices in all of its operations while being a viable economic member of the community and providing a safe and healthy workplace for all of its employees, clients and customers. We do this by striving to operate in compliance with environmental regulations and preventing pollution through waste minimization and resource conservation.



FOCUS AREAS:

Identify problems within your facilities so that you know which areas to focus on when developing your stewardship plan.

- 1.
- 2.
- 3.

GOALS:

Set a number of realistic, measurable goals that your organization wishes to accomplish by using this guide to greening your racetrack.

- 1.
- 2.
- 3.

BUDGET:

In compliance with your management and accounting department, determine the budget you have allocated to implement these stewardship improvements. Then determine how much of that budget will be dedicated to the four sustainable areas.

Total budget: \$

Energy: \$

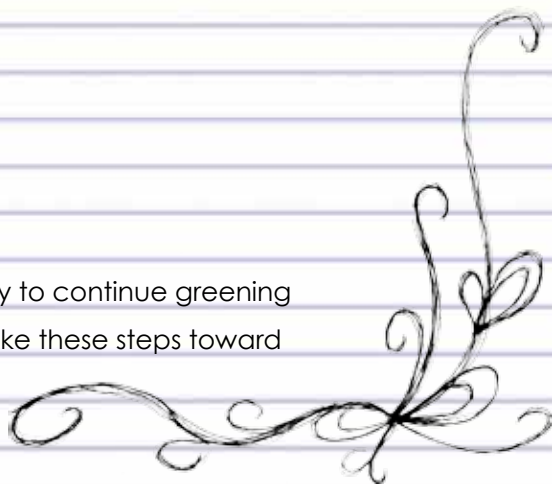
Waste: \$

Water: \$

Outreach: \$

NOTES:

After these initial steps are implemented, you are ready to continue greening your racetrack! Good luck staying organized as you take these steps toward environmental stewardship.





Getting Started:



Go Green!

10•10•10 Challenge

Water	Energy	Waste	%
			10
			10
			10

How to Green Your Racetrack Checklist

1 Know Your Permits

Racetracks face the issue of complying with several types of environmental permits. Your permits are a great way to establish a baseline on how to be a green racetrack and identify areas where pollution prevention, resource conservation and efficiency improvements can be implemented. Here are a few areas to check regarding permit compliance.

1. Stormwater Construction
2. Wastewater Discharge (KPDES)
3. Groundwater
4. Hazardous Waste
5. Solid Waste
6. Underground Storage Tanks
7. Air Quality (Boilers, Painting, Generators)
8. Wetland and Floodplain Construction
- Other _____

Applicable Not Applicable

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2 Solid Waste: Recycling Made Easy

Recycling can be a daunting task when you think of it in terms of the entire racetrack. So, when it comes to recycling, start small and build on your current infrastructure, celebrate your success and then consider expanding.

1. Implement recycling in your offices.
2. Develop a partnership with your local solid waste department and expand recycling options.
3. Green your tailgate (offer different trash bags for trash and recyclables).
4. Offer recycling bins at convenient locations.

Completed

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3 Solid Waste: Expanded Composting

Chances are good that your racetrack is already composting on-site or contracting with a composter to collect your horse muck. Why not expand this to include food waste from your food service areas, including restaurants and kitchens? Small changes in behavior, such as composting this waste, can have significant results on the amount of solid waste generated.

1. Install collection bins around all waste areas of the racetrack (kitchens, restaurants, horse stalls, etc.).
2. Learn how to properly compost.
3. If composting on-site, be sure to check with the Division of Waste Management to make sure you are complying with all regulations.

Completed

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4 Alternative Fuels

Alternative fuels are an easy way to go green. Consider switching to a biodiesel blend, which will both extend the life of your equipment and help improve the air quality around the track area.

1. Switch to biodiesel blend for landscaping and truck maintenance equipment, as well as back-up generators.
2. Purchase Flex Fuel vehicles when replacing vehicles.
3. Purchase and use electric vehicles for on-site transportation.

Completed

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5 Air Quality**Completed**

Cutting down on emissions and improving air quality in and around the racetrack will improve the quality of life for both the horses and patrons of the racetrack.

1. Implement an anti-idling policy for all delivery trucks. ☐
2. Provide designated areas for smoking, as well as eco-friendly receptacles for cigar and cigarette butts. ☐
3. Be asbestos aware—know where it is and how to manage it properly. ☐

6 Energy: Small Changes Mean Big Savings**Completed**

Energy efficiency is one of the easiest areas to make improvements to further a green initiative. From installing energy-efficient lighting in the office and educating employees to turn off lights, to ensuring your equipment is well-maintained and running efficiently, small changes can result in significant savings. Furthermore, investing in these energy-efficient changes will save your racetrack money in the long run.

1. Contact your utility provider for an energy audit and for commercial incentives. ☐
2. Make sure all boilers, compressors and generators are maintained and working properly. ☐
3. Invest in Energy Star appliances. ☐
4. Turn off computers when not in use or use the energy-saving mode. ☐
5. Turn off lights that are not needed and switch to more efficient light bulbs and natural lighting. ☐
6. Evaluate vending machine and refrigerator energy usage and look into energy-saving add-ons. ☐

7 Landscaping**Completed**

When landscaping, planning goes a long way to reducing water usage and maintenance, thereby reducing your costs for landscaping.

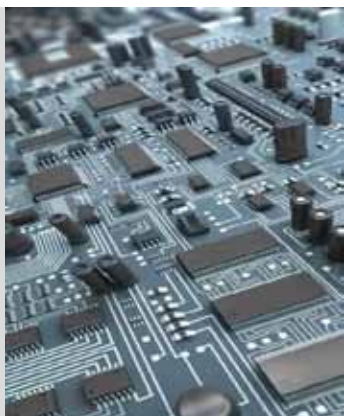
1. Use native and drought-resistant plants. ☐
2. Use rain barrels for watering needs. ☐
3. Install a rain garden to help control stormwater runoff. ☐
4. Use mulch to help reduce watering of plants. ☐

10•10•10 CHALLENGE CONTINUED ON NEXT PAGE

Electronic Waste

- E-waste represents 2 percent of America's trash in landfills, but e-waste specifically causes 70 percent of overall toxic waste.
- Computer or TV displays contain an average of six pounds of lead. When not disposed of correctly, this can harm the environment.

- Information about eCycling from the EPA:
<http://www.epa.gov/epawaste/conserve/materials/ecycling/index.htm>

**SUSTAINABLE STABLES**

- Sustainable Stables provides the web's most comprehensive resource on sustainable, eco-friendly, and practical horsekeeping.

- For more information: <http://sustainablestables.com/>



8 Green Purchasing

Completed

Purchasing greener supplies will not only reinforce your racetrack's concern for the environment, but will also provide safer products for employees and patrons to use. Also, by collaborating with local partners, such as Kentucky Proud, you can network with other eco-friendly Kentucky-based businesses.

1. Purchase less-toxic cleaning products for custodial staff. ☐
2. Buy recycled content products, such as paper and food service products. ☐
3. Support Kentucky Proud and other local products and producers. ☐
4. Centralize purchasing to minimize waste. ☐
5. Purchase green energy credits from your utility company. ☐

9 Travel and Commuting

Completed

By encouraging alternative forms of commuting and discouraging driving around the property, energy will be saved and pollution will be reduced.

1. Encourage employees to carpool to work by offering incentives, such as prime parking spaces. ☐
2. Supply bicycles or walk around the property instead of driving. ☐
3. Support projects that can offset emissions from company travel. ☐


10 Green Meetings and Offices

Completed

Reducing waste in the office setting and in meetings will make a considerable difference in materials needed on a daily basis and cut costs considerably.

1. Use video conferencing and webinars whenever possible. ☐
2. Post materials online to reduce paper waste. ☐
3. Use reusable drinkware, dishes, utensils and napkins. ☐

10•10•10 CHALLENGE CONTINUED ON NEXT PAGE



Planting Native Plants

Planting flowers that are native to Kentucky around the racetrack will decrease the amount of water needed to water them, as well as the amount of water the track will use. In the long run, this will cut down on your facility's water bill.


Some flowers and plants that are native to Kentucky and would work well in a horse racetrack setting include:

- *Stemless Evening-Primrose
- *Buffalo Clover
- *Running Buffalo Clover
- *Kentucky Gladness
- *Goldenrod
- *Sandmyrtle
- *Smooth Sumac
- *Fire Pink

BIODIESEL PROCESSING EQUIPMENT

- Studies show that biodiesel performs similarly to petroleum diesel, while being safer for the environment and human health.
- Biodiesel fuel can be operated in any diesel engine with no or little adjustment to the fuel system or engine.
- Biodiesel fuel is the only alternative fuel to have completed the health-effects testing requirements of the Clean Air Act.

- <http://www.afdc.energy.gov/afdc/about.html>: This is information on the Alternative Fuel Infrastructure Tax Credit Plan



11 Marketing Materials and Education

Completed

Greening your racetrack is a highly marketable aspect for promotional materials and advertising. Eco-friendly companies are attracting more and more favorable publicity every day.

1. Select a sustainable printer for your commercial printing needs. ☐
2. Print all materials on recycled paper. ☐
3. Tell your story to your customers, clients and patrons. ☐
4. Offer employees incentives for green suggestions. ☐
5. Give discounts to customers with reusable drinkware. ☐

12 Leadership Programs

Completed

The U.S. Environmental Protection Agency and other groups offer several voluntary programs that you can join. Kentucky operates KY EXCEL, the state's free, environmental leadership program. These programs offer you the opportunity to network and educate yourself.

1. Take the 10•10•10 Challenge. ☐
2. Support the Living Greener Growing Stronger initiative. ☐
3. Become a KY EXCEL member. ☐

GREEN PRINTING

- By finding and using printers that are eco-friendly certified, you can increase the amount of renewable resources used and therefore preserve the environment as much as possible.
- There are several printing companies that are committed to printing materials in an environmentally friendly way and by using environmentally friendly printing practices.



CFL Light Bulbs



- Energy Star-qualified CFL light bulbs can use up to 75 percent less energy than regular incandescent light bulbs.
- Fact Sheet about CFL light bulbs: http://www.energystar.gov/ia/partners/promotions/change_light/downloads/

For more resources on how to green your racetrack, refer to the resources list on the next page.



Next Steps:



Go Green!

10•10•10 Challenge

Water	Energy	Waste	%
			10
			10
			10

Resources for Greening Your Racetrack

1 Energy

Programmable Thermostats: Programmable thermostats can be installed anywhere, from the jockey's rooms to the dining rooms. By using programmable thermostats, your racetrack can save on average of \$180 per year.

For additional information, please visit:

- http://www.energystar.gov/index.cfm?fuseaction=find_a_product.showProductGroup&pgw_code=TH

Saving Vending Machine Energy: Another way to save money is to reduce vending machine operating costs and the amount of greenhouse gases that are released from the machine. There are products on the market specifically designed to reduce energy consumption of vending machines.

Reduced running time of vending machine components can save an estimated \$40-\$80 a year per machine. Also, energy consumption is reduced an average of 46 percent or \$150 per machine each year.

Saving Energy from Cooler Machines: There are products on the market specifically designed for coolers. These products can reduce operating costs on all front-glass coolers and the amount of greenhouse gases released from them.

Products can do this through powering down when the area around the cooler is empty and save an average of \$100 each year per cooler in energy costs. Other savings include reduced greenhouse gas emissions by 1,600 pounds of carbon dioxide and 2,740 grams of NOx each year.

Saving Energy from Snack Machines: Products like these can, on average, reduce energy consumption per machine by \$50 and reduce carbon dioxide emissions by 470 pounds and 770 grams of NOx.

Saving Energy from Plugs: Products that use a wall socket can become energy vampires, which consume energy even when not in use. Power strips and other products like these can help save energy and money on all types of appliances, including computers, copiers, lights, etc.

These products can save up to \$120 in energy costs per office per year and reduce greenhouse emissions by 1,200 pounds of carbon dioxide and 2,050 grams of NOx each year.

Low-Impact Lighting: Conducting a lighting assessment can result in energy savings. Using natural light when possible and installing solar tubes and sky lights can result in less electricity usage.

The Kentucky Solar Partnership offers information on solar-powered lighting:

- <http://kysolar.org/>

2 Solid Waste and Recycling

Anaerobic Digesters: Anaerobic digesters take organic waste and convert it into biogas. Biogas can be used to heat water or create electricity.

Buying Local: Buying local food from KY Proud vendors for the dining areas and concession stands is a good way to help local farms and businesses out, as well as decrease the track's carbon footprint.

- <http://www.kyproud.com>

Recycling Bins: By placing recycling bins around the racetrack, you will cut down on the amount of garbage, which in turn cuts down on the amount of materials your facility puts in the landfill.

If you contact some of the track sponsors, you may be able to get recycling bins donated to the racetrack.

Portable Cigarette Recycler: Products like portable cigarette recyclers are easy to place in high-traffic areas, such as on the back of seats or near trash cans. By placing these around the racetrack, the recyclers help to discourage the act of polluting public areas with cigarette waste and also help to decompose cigarette waste, which normally takes up to 12 years to fully decompose.

Bluegrass Pride is a local group that provides resources and educational material for litter reduction:

- <http://www.bgpride.org/LitterAbatement.htm>

Reusable Cups: These could be used as a promotional tool when coupled with discounts for customers who purchase and refill a reusable mug. By using reusable mugs, customers will no longer buy nonrecyclable plastic cups. There are products on the market that change in color when filled with cold liquids. This would be a great way to promote going green and also be supportive of a green marketing campaign.

Pollution Prevention: Kentucky Pollution Prevention Center is Kentucky's primary resource to help businesses, industries and other organizations develop environmentally sustainable, cost-saving solutions for improved efficiency.

For more information please visit the following link:

- <https://louisville.edu/kppc/>
-

3 Water Conservation

Rain Barrels: Rain barrels are a great way to collect runoff water after a storm. Once the water is collected, it can be used to water plants around the track. One inch of rain on 1,000 square feet of rooftop creates over 600 gallons of stormwater, which can be used to water lawns and plants.

Local companies can provide rain barrels that collect from 50 to 80 gallons of water.

Rain Gardens: Rain gardens set a good example for others, are aesthetically pleasing and conserve water.

For more information, visit the website below:

- www.bluegrassraingardenalliance.org
-

4 Voluntary Projects

Environmental Protection Agency: There are many voluntary projects that a racetrack could participate in to save money and reduce its environmental footprint.

Some of the projects include joining:

- The Clean Diesel Campaign
- The Combined Heat and Power Partnership
- Energy Star
- The Green Power Partnership
- Responsible Appliance Disposal Partnership
- Climate Leaders
- Green Chill
- Green Scapes
- State and local climate and energy programs
- Waste Wise
- Federal Electronics Challenge
- The Green Suppliers Network

For more information, visit:

- <http://www.epa.gov/partners/programs/index.htm#ag>



Take The 10•10•10 Challenge Today!!!

What Is the 10•10•10 Challenge?

The Challenge is an effort to encourage Kentucky's citizens, businesses and organizations to reduce their waste generation, energy consumption and water use by 10 percent over the next three years.

Why Participate in the Challenge?

The 10•10•10 Challenge is a chance for you to help keep Kentucky's landscapes, air and water cleaner, as well as helping reduce household and workplace costs related to waste, water and energy. Small changes in how we go about our daily lives and operate in our workplaces can make a huge difference to the environment and the bottom line. So, give it your 10%.

How Do I Get Started?

Taking the 10•10•10 Challenge is easy. Simply register yourself, your business or your organization and begin taking steps to reduce your environmental impact. You can participate as a team or as an individual. If you are part of a pledge team, be sure to select your team name when you register so your group is credited. If you do not have a team, no problem. Just sign up individually and take your first step to changing the future of Kentucky. Tips, workplace campaign ideas and other challenge resources can be found at dca.ky.gov.

How Do I Take the Pledge?

- ★ Visit the 10•10•10 website at www.101010challenge.com
- ★ Take the Pledge
- ★ Make a Difference

Contact us:

livinggreener@ky.gov
800-926-8111, ext. 517
www.dca.ky.gov

**Living Greener
Growing Stronger**

Promoting sustainability
across Kentucky.



Division of Compliance
Assistance

How to Join KY EXCEL

KY EXCEL is Kentucky's free, environmental leadership program that encourages its members to complete voluntary projects to improve the environment. Any entity, ranging from individuals and small communities to businesses and large corporations, can participate in this program. Within the program, there are four levels classified by the number of projects completed and the successful implementation of environmental practices.

ADVOCATE

Commit to one voluntary project a year.

PARTNER

Commit to one voluntary project a year.

Develop an environmental management plan.

Conduct a self-assessment.

Complete an annual project report form.

LEADER

Commit to three voluntary projects a year.

Implement an environmental management plan.

Conduct a self-assessment.

Complete an annual project report form for each project.

MASTER

Commit to five voluntary projects a year, one of those required to be an outreach or educational project.

Demonstrate past environmental achievement.

Implement an environmental management plan.

Conduct a third-party assessment.

Agree to mentor another member, if requested.

Complete an annual project report form for each project.

CONTACT US:

Division of Compliance Assistance
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Frankfort, KY 40601

800-926-8111

502-564-0323

E-mail: envhelp@ky.gov

Benefits

- **Reduced cost for training events**
- **Use of logo and KY EXCEL materials for marketing opportunities**
- **Recognition at events, in newsletters and on the KY EXCEL website**
- **Networking opportunities**
- **Priority authorization when applying for permits (Leader and Master only)**
- **Statewide press release announcing the company's membership (Master only)**



en•vi•ron•men•tal stew•ard•ship

/ɛnˈvaɪrənməntəl ˈstjuərdʃɪp/

-noun

1. The careful and responsible management of your environmental responsibilities and impact.
2. Going above and beyond to excel in your environmental conservation efforts.

**Become an environmental steward today for
a greener-looking tomorrow.**



For more information:

<http://dca.ky.gov>

800-926-8111

envhelp@ky.gov